



Noël N'guessan with the liquid compost | Photo source [Kubeko](#)

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## BIOWASTE PROCESSOR TURNS LEFTOVERS INTO COMPOST AND COOKING GAS

 AGRICULTURE & ENERGY

### Farmers can save time and money by using the KubeKo system to produce their own supplies

**Spotted:** Called KubeKo, the system comes in two versions. One creates compost and the other can produce cooking gas. Designed and built by sustainable waste management company Lono, both versions of the KubeKo are suitable for home or commercial use. Part of the system's appeal is its simplicity to use.

Daily aeration is powered by either renewable energy or electricity from the grid, and it takes four weeks for the composting version to turn organic waste into a solid fertiliser. The company says that every 400 kilograms of biowaste yield 150 kilograms of compost. The biogas system treats liquid and solid green waste together to produce both cooking gas and liquid compost. Every five kilograms of waste in this version results in two hours' worth of cooking gas and 50 litres of liquid compost.

So far, the team is working with farmers and production teams on waste from cassava, mango, cocoa and palm oil and is actively seeking new partnerships and consultancy opportunities. The company's mission is to make innovative technologies as available as possible.

Plastic packaging is such a voluminous problem that organisations ranging from beauty companies to city waste management systems are finding ways to incorporate the power of compost into their supply chains. A new personal-care brand has created [body wash packaging](#) that dissolves in the shower, and an Australian city is powering thousands of homes with its new biodigester that turns food waste into [green energy](#).

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## Takeaway:

Qu Dongyu, the Director-General of the Food and Agriculture Organisation of the United Nations **recently highlighted** the need for digital innovation to help solve the water scarcity problems (that are themselves the result of biodiversity loss and climate change) affecting the lives of more than a billion people worldwide. “We need to invest in the long-term Research and Development to create the innovation and technologies required for producing more with less emissions and within our environmental boundaries,” he says. Lono’s work is an example of an organisation leading by doing, especially by working locally and circularly and with locale-specific solutions that have multiple benefits and produce little to no additional waste.